

HOT-MIX ASPHALT DESIGN TABLES - GRADE SEPARATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/64	(41-3)HBK	JEFFERSON	518	083
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 98963				

LOCATION(S):	45TH STREET			
MIXTURE USE(S):	2 1/2" BINDER COURSE	1 3/4" SURFACE COURSE	LEVELING BINDER	8" SHOULDERS
PG:	PG64-22	PG64-22	PG64-22	PG58-22
RAP %:	15	0	0	30
(MAX)DESIGN AIR VOIDS:	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50	2.0 % @ N30
MIXTURE COMPOSITION:	IL 19.0	N/A	N/A	B.A.M.
FRICITION AGGREGATE:	N/A	MIXTURE D	N/A	N/A

LOCATION(S):	42ND STREET		
MIXTURE USE(S):	8" BASE COURSE	2 1/2" BINDER COURSE	1 3/4" SURFACE COURSE
PG:	PG64-22	PG64-22	PG64-22
RAP %:	15	15	0
(MAX)DESIGN AIR VOIDS:	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 19.0	N/A
FRICITION AGGREGATE:	N/A	N/A	MIXTURE D

LOCATION(S):	ACCESS ROADS #1 AND #2		
MIXTURE USE(S):	8" BASE COURSE	2 1/2" BINDER COURSE	1 3/4" SURFACE COURSE
PG:	PG64-22	PG64-22	PG64-22
RAP %:	15	15	0
(MAX)DESIGN AIR VOIDS:	4.0 % @ N50	4.0 % @ N50	4.0 % @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 19.0	N/A
FRICITION AGGREGATE:	N/A	N/A	MIXTURE D

HOT-MIX ASPHALT DESIGN TABLES - RAMPS CONTINUED

LOCATION(S):	BITUMINOUS BINDER COURSE & BITUMINOUS BASE COURSE (TOP LIFT)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0 %, 105 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0 mm
FRICITION AGGREGATE:	NONE

LOCATION(S):	BITUMINOUS BASE COURSE (LOWER LIFTS)
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0 mm
FRICITION AGGREGATE:	NONE

LOCATION(S):	BITUMINOUS SHOULDERS, 8"
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS, SUPERPAVE
AC/PG:	PG58-22
RAP % (MAX):	50
DESIGN AIR VOIDS:	2.0 %, 30 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	BITUMINOUS AGGREGATE MIXTURE, SUPERPAVE
FRICITION AGGREGATE:	NONE

HOT-MIX ASPHALT DESIGN TABLES - RAMPS

LOCATION(S):	BITUMINOUS SURFACE COURSE (AUXILIARY LANE AND I-57/I-64 INSIDE SHOULDER)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0 %, 105 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 mm OR IL 12.5 mm
FRICITION AGGREGATE:	E SURFACE

LOCATION(S):	BITUMINOUS SURFACE COURSE (RAMPS ONLY)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N105
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0 %, 105 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 mm OR IL 12.5 mm
FRICITION AGGREGATE:	D SURFACE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 HOT-MIX ASPHALT DESIGN TABLES
 VETERANS MEMORIAL DRIVE INTERCHANGE
 SECTION (41-3)HBK
 SCALE: NO SCALE
 DATE 3-22-07
 DRAWN BY RLТ
 CHECKED BY MTM